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Derwent Title: Electronic protection circuit against electric shock - has transistor fed contactor coil switched by earth current level

Assignee: SATYANARYANA V S Individual

Inventor: None

Accession/Update: 1976-B0029X / 197605

IPC Code: H02H 3/14 ;

Derwent Classes: X13;

Family: PDF Patent Pub. Date Derwent Update Pages Language IPC Code
FR2267646A * 1975-12-12 197605 French H02H 3/14

INPADOC Show legal status actions

Legal Status:

Priority Number:	Application Number	Filed	Original Title
	US1973000325419	1973-01-22	SHOCK PREVENTION

Related Accessions:

Accession Number	Type	Derwent Update	Derwent Title
1975-B9327W	R	197507	Shock prevention device for disconnecting load from source - has energizing coil actuating power switch, controlled by leak-actuated transistor
1 item found			

Title Terms: ELECTRONIC PROTECT CIRCUIT ELECTRIC SHOCK TRANSISTOR FEED CONTACT COIL SWITCH EARTH CURRENT LEVEL

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Title: **FR2267646B3:**

Derwent Title: **Electronic protection circuit against electric shock - has transistor fed contactor coil switched by earth current level** (Derwent Record)

Country: **FR** France

Kind: **B3** Certificate of Utility (Second Publication) ! (See also: [FR2267646A1](#))

Inventor: **None**

Assignee: **SATYANARYANA VARAHUR** India

[News, Profiles, Stocks and More about this company](#)

Published / Filed: **1977-02-11 / 1974-04-10**

Application Number: **FR1974007412600**

IPC Code: **H02H 3/14;**

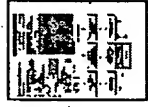
ECLA Code: **None**

Priority Number: **1974-04- FR1974007412600**

INPADOC Legal Status: **None** Get Now: [Family Legal Status Report](#)

Family:

PDF	Publication	Pub. Date	Filed	Title
<input checked="" type="checkbox"/>	FR2267646B3	1977-02-11	1974-04-10	
<input checked="" type="checkbox"/>	FR2267646A1	1975-11-07	1974-04-10	
2 family members shown above				



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Other Abstract None

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FR2267646

Patent number: FR2267646

Publication date: 1975-11-07

Inventor:

Applicant: SATYANARYANA VARAHUR (IN)

Classification:

- international: H02H3/14

- european: H02H3/14; H02H3/16F; H02H3/33

Application number: FR19740012600 19740410

Priority number(s): DE19742418073 19740413

Also published as:



DE2418073 (A)

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Title:

US3864581: SHOCK PREVENTION DEVICE

Derwent Title:

Shock prevention device for disconnecting load from source - has energizing coil actuating power switch, controlled by leak-actuated transistor [\[Derwent Record\]](#)

Country:

US United States of America

Inventor:

Satyanarayana, Varahur Srinivasa; New Delhi, India

Assignee:

None

Published / Filed:

1975-02-04 / 1973-01-22

Application Number:

US1973000325419

IPC Code:

H02H 3/16;

U.S. Class:

Current: 307/326; 361/042; 361/049; 361/098;
Original: 307/092; 317/018;

Field of Search:

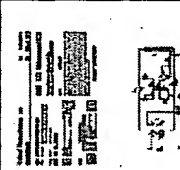
317/18 A, 18 C, 18 D 307/092

Priority Number:

1973-01- US1973000325419

Abstract:

A device for disconnecting a load from a power source upon a leakage occurring in said load and which comprises an energizing coil which actuates a first switch to connect the load to the power source and a transistor having a biasing means connected to said load and such that upon leakage in the load, the transistor is biased



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7 pages

and thereby deenergizes the coil and the first switch is opened.

Attorney, Agent
or Firm:

Hammond & Littell ;

Primary / Asst.

Smith, Jr., David;

Examiners:

Family: None

First Claim:

Show all 10 claims

What is claimed is: 1. A device adapted to disconnect a load from a power source upon a leakage occurring in said load comprising an energizing coil adapted to be connected to a main source, a first switch capable of being closed upon the energization of said coil and thereby connecting a load to the power source, a transistor connected to the energizing coil and having a biasing means, said transistor and biasing means adapted to be connected to said load, such that upon a leakage occurring in the body of the load the transistor is biased and thereby deenergizes said coil and whereby said first switch is opened, and means for preventing a shock to a human body upon contacting a live conductor of the load and which comprises a current transformer connected to said first switch, the secondary of said transformer connected to said transistor through a second biasing means such that said transistor is capable of being biased by said first and/or second biasing means and whereby the coil is deenergized and the first said switch opened.

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
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U.S. References:

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PDF	Patent	Pub.Date	Inventor	Assignee	Title
	US3214638*	1965-10	Moser et al.		
	US3241638*	1965-10	Moser et al.		
	US3407337	1968-10	Benham		LEAK DETECTOR FOR SWIMMING POOL LIGHTS AND THE LIKE

	US3492533	1970-01	Thurston	GROUND FAULT DETECTION FOR POWER DISTRIBUTION
	US3728581	1973-04	Adamo	GROUND FAULT CIRCUIT INTERRUPTER
* some details unavailable				

 Foreign

None

References:



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